

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A fixing device comprising:
a first coil unit which holds a first coil and a first holding member holding the first coil ~~having a predetermined number of turns;~~
a second coil unit which holds a second coil and a second holding member holding the second coil;
~~a coil assembly which includes at least two coil units; and~~
a heating member which generates heat by an eddy current upon a change in a magnetic field generated by an induction heating coil of ~~the~~ a coil assembly,
wherein each of the first coil unit and the second coil unit forms a resonant circuit, and a resonance frequency of the first coil unit is different from a resonance frequency of the second coil unit.

2. (Currently Amended) A device according to claim 1, further comprising:
a holding body that simultaneously holds the first and second coil units;
wherein
~~the coil assembly includes a first coil unit, a second coil unit, and a second holding body,~~
the second coil unit is arranged on each of two sides of the first coil unit, ~~and~~
~~the holding body simultaneously holds the first and second coil units.~~

3. (Original) A device according to claim 2, wherein the first and second coil units have different numbers of coil turns.

4. (Currently Amended) A device according to claim 2, further comprising a power supply mechanism which supplies high-frequency power to the first coil,
wherein when powers are simultaneously supplied to the first and second coil units, potentials at positions where the first and second coil units face each other are substantially equal.

5. (Currently Amended) A device according to claim 2, wherein the second coil ~~units are~~ unit is arranged symmetrically with respect to the first coil unit in a direction perpendicular to a convey direction of a paper sheet conveyed to the heating member.

6. (Original) A device according to claim 2, wherein the first and second coil units have different lengths in a direction perpendicular to a convey direction of a paper sheet conveyed to the heating member.

7. (Currently Amended) A device according to claim 1, wherein the first coil includes a single wire.

8. (Currently Amended) A device according to claim 4, wherein letting A be a frequency and L be an overall coil length, power supplied to the first coil is

$$\sqrt{A}/L \geq 1.$$

9. (Currently Amended) A fixing device comprising:

a first coil unit which holds a first coil member formed by a plurality of series-connected coils or parallel-connected coils and a first holding member holding the first coil member having a predetermined number of turns;

a second coil unit which holds a second coil member formed by a plurality of series-connected coils or parallel-connected coils and a second holding member holding the second coil member;

~~a coil body which includes at least two coil units and includes an induction heating coil formed by a plurality of series or parallel connected coils;~~

~~a coil assembly which includes at least two coil units;~~

a heating member which generates heat by an eddy current upon a change in a magnetic field generated by the first coil member and the second coil member ~~induction heating coil;~~ and

a power supply mechanism which supplies high-frequency power to the first coil member and the second coil member ~~induction heating coil,~~

wherein each of the first coil unit and the second coil unit forms a resonant circuit, and a resonance frequency of the first coil unit is different from a resonance frequency of the second coil unit.

10. (Currently Amended) A device according to claim 9, wherein the first coil member and the second coil member ~~induction heating coil~~ includes a single wire.

11. (Currently Amended) A device according to claim 9, wherein letting A be a frequency and L be an overall coil length, power supplied to the first coil member and the second coil member ~~induction heating coil~~ is

$$\sqrt{A}/L \geq 1.$$

12. (Currently Amended) A device according to claim 9, wherein the power supply mechanism includes a high-frequency generation circuit, adjusts a voltage from a commercial AC power supply, and applies a predetermined voltage to the high-frequency generation circuit, and

predetermined voltages are applied from the high-frequency generation circuit and the AC power supply to supply high-frequency power to the first coil member and the second coil member ~~induction heating coil~~.

13. (Currently Amended) A device according to claim 9, wherein the ~~number~~ numbers of coils ~~coil units~~ which constitute the first coil unit and the second coil unit are ~~body is~~ even.

14. (Currently Amended) A device according to claim 9, wherein the numbers of the first coil units which constitute the first and second coil unit ~~is bodies are equal to the numbers of the second coil which constitute the second coil unit.~~

15. (Currently Amended) A device according to claim 9, wherein when powers are simultaneously supplied to the first coil unit and the second coil units unit, potentials at positions where the first coil unit and the second coil ~~units~~ unit face each other are substantially equal.

16. (Currently Amended) A fixing device comprising:
~~a heating device including a core, a plurality of coil holding bodies, a plurality of coil bodies, and a metal body,~~
~~a the core having a plurality of grooves extending in an axial direction~~[[,]];
~~the coil holding bodies each having an outer surface and an inner surface and having a predetermined length outside the core in the axial direction, a hollow cylindrical shape, into which the core is inserted from the axial direction, and covering an outer surface of the core;~~
~~the coil bodies each being wound around the outer surface of the coil holding body in a predetermined direction, receiving a voltage and a current at a predetermined frequency to generate a magnetic field, and having one end connected to a power supply via an arbitrary groove of the core and the other end connected to the power supply via a remaining groove of the core, and~~
~~a the metal body being positioned around the coil body so as to generate an eddy current in accordance with the a magnetic field provided by the a coil body;~~
~~a power supply device which supplies the voltage and the current at the predetermined frequency to the coil body; and~~
~~a press member which provides a predetermined pressure to the metal body,~~
wherein the core holds the coil holding bodies,
wherein two coil leads wound around each of the coil holding bodies are connected to the power supply device through different grooves, and
wherein potentials of the two coil leads running through the different grooves are equal.

17. (Currently Amended) A device according to claim 16, wherein the coil holding body bodies each has a notch through which a coil passes, at a position corresponding to the groove of the core.

Claim 18. (Cancel).

19. (Original) A device according to claim 16, wherein the number of grooves of the core is the number of circuits + 1.

20. (Original) A device according to claim 16, wherein a sectional area of a groove in which a common side of the same circuit is set is larger than a sectional area of a remaining groove.

21. (Original) A device according to claim 16, wherein a groove in which a non-common side of the same circuit is set is independent for each circuit.